

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare:

that my residence, post office address, and citizenship are as stated below next to my name;

that I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention or design entitled A BIDIRECTIONAL ROUTER AND A METHOD OF BIDIRECTIONAL AMPLIFICATION, the specification of which (check one):

_____ is attached hereto; or

X was filed on June 23, 1999 as
Application Serial No. 09/331,718 and was
amended on _____ (if applicable);

that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and that I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Number</u>	<u>Country</u>	<u>Date Filed</u>	<u>Priority Claimed</u> (Yes) (No)
PCT/DK97/00591	Denmark	12/22/97	Yes

I hereby appoint:

Jerry W. Mills	Reg. No. 23,005
Ann C. Livingston	Reg. No. 32,479
Thomas R. Felger	Reg. No. 28,842
Charles S. Fish	Reg. No. 35,870
Wei Wei Jeang	Reg. No. 33,305
Kevin J. Meek	Reg. No. 33,738
T. Murray Smith	Reg. No. 30,222
David G. Wille	Reg. No. 38,363
Bradley P. Williams	Reg. No. 40,227
Terry J. Stalford	Reg. No. 39,522
Harold E. Meier	Reg. No. 22,428
Thomas R. Nesbitt, Jr.	Reg. No. 22,075
James J. Maune	Reg. No. 26,946
Roger J. Fulghum	Reg. No. 39,678
Rodger L. Tate	Reg. No. 27,399
James B. Arpin	Reg. No. 33,470
James Remenick	Reg. No. 36,902
Robert W. Holland	Reg. No. 40,020
Alexander B. Ching	Reg. No. 41,669
Douglas M. Kubehl	Reg. No. 41,915
Randall M. Mishler	Reg. No. 42,006
Robert A. King	Reg. No. 42,738
James L. Baudino	Reg. No. 43,486
Scott T. Morris	Reg. No. 43,818
Tara D. Knapp	Reg. No. 43,723
William R. Borchers	Reg. No. P44,549
Robin A. Brooks	Reg. No. P44,563
Darren W. Collins	Reg. No. P44,625
Brian W. Oaks	Reg. No. P44,981
Luke K. Pedersen	Reg. No. P45,003
Matthew B. Talpis	Reg. No. P45,152

all of the firm of Baker & Botts, L.L.P., my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications filed thereon before any international authorities.

Send Correspondence To:

Baker & Botts, L.L.P.
2001 Ross Avenue
Dallas, Texas 75201-2980

Direct Telephone Calls To:

Charles S. Fish
at (214) 953-6507
Atty. Docket No. 036560.6610

Full name of the sole inventor

René E. Kristiansen

Inventor's signature

René E. Kristiansen

Date

30/7-99

Residence (City, County, State)

Tryggevaldevej 82
DK-2700 Brønshøj
DENMARK

Citizenship

Denmark

Post Office Address

Tryggevaldevej 82
DK-2700 Brønshøj
DENMARK

ATTORNEY DOCKET NO.
069116.0114

PATENT APPLICATION

1

SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare:

that my residence, post office address, and citizenship are as stated below next to my name;

that I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention or design entitled A BIDIRECTIONAL ROUTER AND A METHOD OF BIDIRECTIONAL AMPLIFICATION, the specification of which (check one):

_____ is attached hereto; or

X was filed on September 24, 1999 as
Application Serial No. 09/331,718 and
was amended on _____ (if
applicable);

that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and

that I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

ATTORNEY DOCKET NO. 069116.0114 PATENT APPLICATION

2

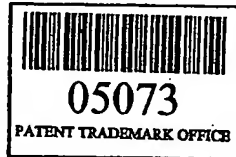
2

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Filed	Priority
PCT/DK97/00591	Denmark	12/22/97	Yes
1504/96	Denmark	12/23/96	Yes

I hereby appoint:

Practitioners at Customer Number



all of the firm of BAKER BOTTS L.L.P., my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications filed thereon before any international authorities.

Send Correspondence To:

BAKER BOTTS L.L.P.
2001 Ross Avenue, Suite 600
Dallas, Texas 75201

Direct Telephone Calls To:

Charles S. Fish
at (214) 953-6507
Atty. Docket No.
069116.0114

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ATTORNEY DOCKET NO.
069116.0114

PATENT APPLICATION

3

Full name of the sole inventor

René E. Kristiansen

Inventor's signature

René E. Kristiansen

Date

19/1-03

Residence (City, County, State)

Tryggevaldevej 82
DK-2700 Brønshøj
DENMARK

Citizenship

Denmark

Post Office Address

Tryggevaldevej 82
DK-2700 Brønshøj
DENMARK



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 11, 2000

PTAS

BAKER & BOTTS, L.L.P.
CHARLES S. FISH, ESQ.
2001 ROSS AVENUE
DALLAS, TX 75201-2980



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/24/1999

REEL/FRAME: 010311/0479
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KRISTIANSEN, RENE E.

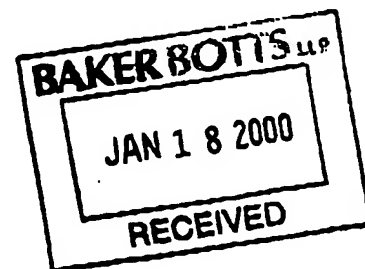
DOC DATE: 07/30/1999

ASSIGNEE: COMMUNICATIONS
DSC COMMUNICATION A/S
LAUTRUPBJERG 7-11
DK-2750 BALLERUP, DENMARK

SERIAL NUMBER: 09331718
PATENT NUMBER:

FILING DATE: 09/24/1999
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



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ATTORNEY'S DOCKET 036560.6610)

FORM PTO-1595
1-31-92

9.24.99

10-20-1999



101175623

D Rec'd PCT/PTO

4 SEP 1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Pat

1. Name and Address of Conveying Party(ies):

René E. Kristiansen
Tryggevaldevej 82
DK-2700 Brønshøj
DenmarkIndividual/Citizenship: DenmarkAdditional name(s) of conveying party(ies) attached?
Yes X No

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other	

Execution Date: 7/30/99

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 09/331,718

B. Patent No.(s)

Additional Numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles S. Fish, Esq.
Internal Address: BAKER & BOTTS, L.L.P.
Street Address: 2001 Ross Avenue
City: Dallas
State: Texas Zip: 75201-2980

6. Total number of applications and patents involved: One

7. Total Fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach Duplicate Copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles S. Fish

Name of Person Signing

Signature

September 21, 1999

Date

Total number of pages including cover sheet

3

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Box Assignments

Washington, D.C. 20231

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ATTORNEY DOCKET NO. 036560.6610

PATENT
09/331,718

ASSIGNMENT

WHEREAS, I, the undersigned inventor of residence as listed, have invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, DSC Communications A/S (hereinafter referred to as "Assignee"), a Danish corporation, with an address of Lautrupbjerg 7-11, DK-2750 Ballerup, Denmark, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

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ATTORNEY DOCKET NO.
03656Q.6610

PATENT
09/331,718

2

Title of Invention: A BIDIRECTIONAL ROUTER AND A METHOD OF
BIDIRECTIONAL AMPLIFICATION

Signature of Inventor:
Inventor's Name:

René E. Kristiansen
René E. Kristiansen

Residence (City, County, State)

Tryggevældevej 82
DK-2700 Brønshøj
DENMARK

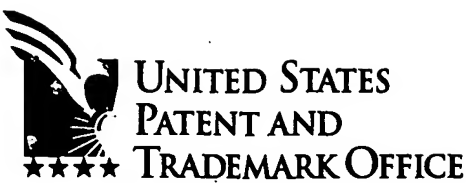
Date:

30/7-99

Date Application Executed:

30/7-99

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UNITED STATES
PATENT AND
TRADEMARK OFFICE

069116-0114

SEPTEMBER 17, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

BAKER BOTTS, L.L.P.
CHARLES F. FISH, ESQ.
2001 ROSS AVENUE, SUITE 600
DALLAS, TX 75201-2980



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RECORDATION DATE: 07/15/2002

REEL/FRAME: 013094/0671
NUMBER OF PAGES: 2

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DSC COMMUNICATIONS A/S,

DOC DATE: 08/19/1999

ASSIGNEE:

TELLABS DENMARK A/S
LAUTRUPBJERG 7-11
DK-2750 BALLERUP, DENMARK

SERIAL NUMBER: 09331718
PATENT NUMBER:

FILING DATE: 09/24/1999
ISSUE DATE:

SEDLEY PYNE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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07-22-2002

\$1

FORM PTO-1595
1-31-92

JUL 15 2002

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102162895

To the Honorable Commissioner of Patents and Trademarks, Please return the original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

DSC COMMUNICATIONS A/S, Lautrupbjerg 7-11
DK-2750 Ballerup

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of receiving Party(ies):

Name: TELLABS DENMARK A/S
Lautrupbjerg 7-11
DK-2750 Ballerup

3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☒ X

Change of Name

☐ OtherAdditional name(s) & address(es)
attached?☐ Yes☒ X☐ No

Effective Date: August 19, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) U.S. Serial No. 09/331,718 filed
December 22, 1997

B. Patent No.(s)

Additional Numbers attached?

☐ Yes☒ X☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles S. Fish, Esq.

Internal Address: Baker Botts L.L.P.

Street Address: 2001 Ross Avenue, Suite 600

City: Dallas

State: Texas

Zip: 75201-2980

6. Total number of applications and patents involved: One (1)

7. Total Fee (37 CFR 3.41):\$40.00

☒ X

Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles S. Fish

Name of Person Signing

Signature

July 8, 2002

Date

Total number of pages including cover sheet

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Washington, D.C. 20231Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503.

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Bearing the date of 19th August 1999, the notified amendments relating to the company:

"DSC COMMUNICATIONS A/S"

Lautrupbjerg 7-11

DK-2750 Ballerup

of the municipality of Ballerup

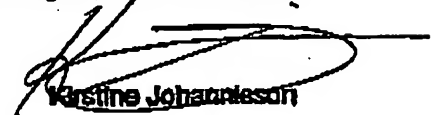
which company is recorded in the register of the Danish Commerce and Companies Agency under CVR number 13920982 (former registration number A/S 188.352) have been recorded in the register of the agency, whereupon the company is carrying the name:

"TELLABS DENMARK A/S"

Lautrupbjerg 7-11

DK-2750 Ballerup

Copenhagen, 7th June 2000


Kirstine Johannessen

